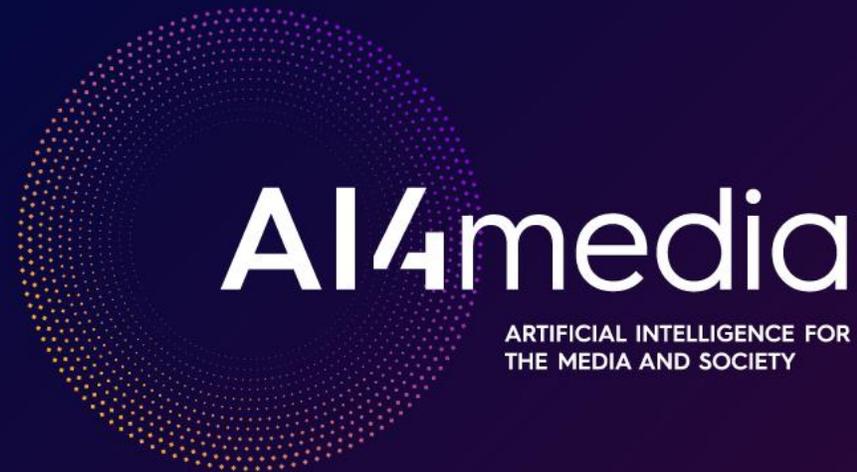


AI4Media – A European Excellence Centre for Media, Society and Democracy



Dr Vasileios Mezaris
Information Technologies Institute
Centre for Research and Technology Hellas



The AI4Media Consortium



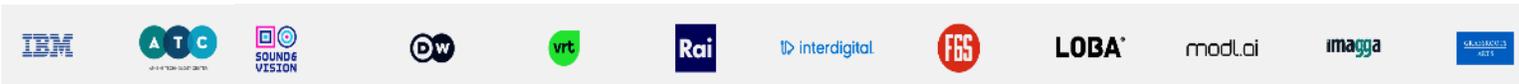
9 universities



9 research centres



12 industrial partners



15 European countries

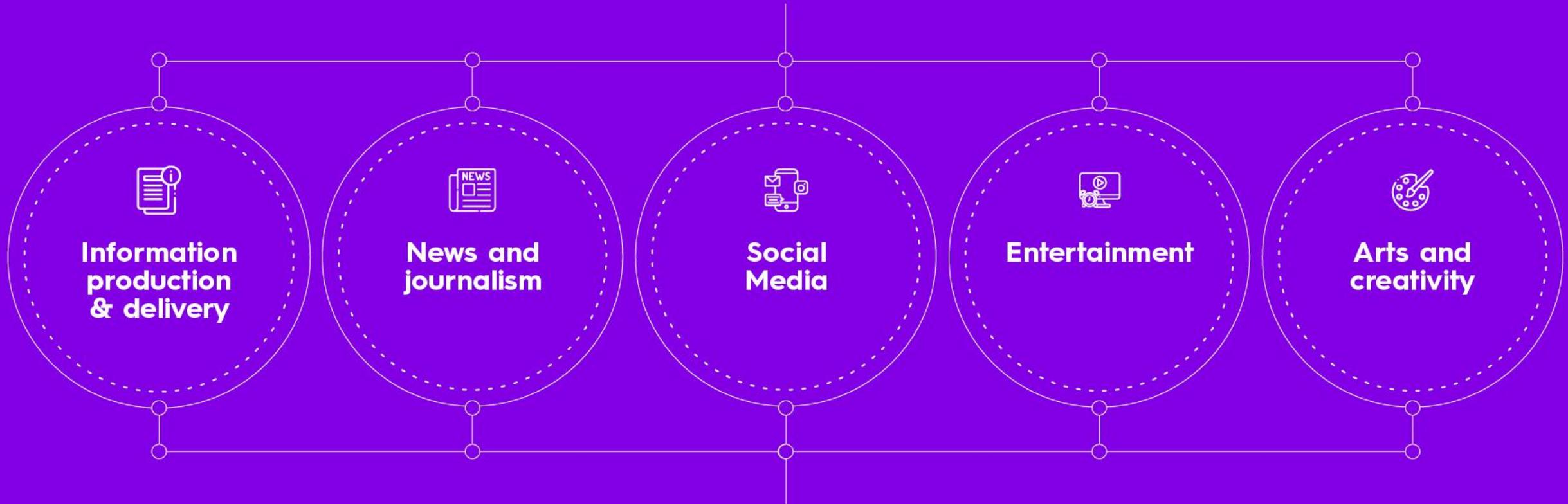




AI4Media's Mission

- Deliver the **next generation AI Research and Training at the service of media, society and democracy**
- Ensure the embedding of **ethical and trustworthy AI** into future AI deployments
- Reimagine AI as a **human-centered, trusted and beneficial enabling technology for media and society**

The Media



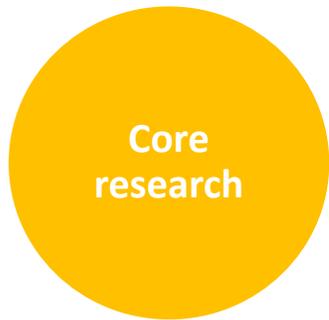
are crucial to shape
societal values and opinions

Why the Media?

Unique selling point



Next generation AI for the Media Industry



Core research



Real-world applications



Impact of policy & regulations



Societal concerns



Education & training



Multi-modal content



Fact-checking & verification



News production automation



Monitoring of EU regulatory landscape



Analysis of media AI impact & societal concerns



International AI Doctoral Academy

Curriculum, courses and educational material for media AI



Human in the centre



Automated game design



Content moderation



New policy recommendations

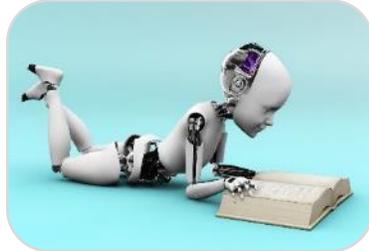
Research & innovation in AI for Media

Overview of major scientific & technological challenges addressed



New learning paradigms & distributed AI

- Lifelong and on-line learning
 - Manifold learning and disentangled feature representation
 - Transfer learning
- Neural Architecture Search
- AI at the Edge, decentralised and distributed learning
- Deep quality diversity
 - Learning to count
- Quantum assisted reinforcement learning



Trustworthy AI

- Legal and ethical frameworks for trusted AI
- Novel methods for ensuring AI robustness
 - Novel methods for explainable and interpretable AI
- Privacy- and security-enhanced federated learning approaches
- Methods for detection and mitigation of bias affecting fairness in recommender systems
 - Benchmarking of AI Systems



Human- & society-centered AI

- Policy recommendations for content moderation
- Manipulation and synthetic content detection in multimedia
- Hybrid, privacy-enhanced recommendation
- AI for healthier political debate
- Detection of perceptions of hyper-local news
- Measuring and predicting user perception of social media
- Real-life effects of private content sharing



Content-centered AI

- Media analysis and summarization
- Media content production
- Learning with scarce data
- Language analysis in Media
- Computationally demanding learning
- Music annotation and audio provenance analysis



Real-world applications of AI through seven use cases



Submit your proposals to the 2nd Open Call until Nov. 30th!



AI4media
ARTIFICIAL INTELLIGENCE FOR
THE MEDIA AND SOCIETY

Open Call #2

10 projects will be funded with
€50.000 each

Apply until 30th November
2022

www.ai4media.eu 

The poster features a dark blue background with a glowing wireframe globe and a hand reaching up towards it. The text is in white and yellow.



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THE MEDIA AND SOCIETY

1st Info-webinar

AI4Media
Open Call #2

THU, 20 October 2022
14h00-15h00 CEST

www.ai4media.eu 

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<https://www.ai4media.eu/open-call-2/>



2nd Open Call challenges



Research challenges

- **C1-R** Reinforcement learning and the challenge of generalisation
- **C2-R** Evolutionary learning and the challenge of evaluating quality
- **C3-R** Scarce data and the cross-media transfer of knowledge
- **C4-R** New decentralised collaborative learning paradigms for AI
- **C5-R** Quantum Reinforcement Learning for classical data processing
- **C6-R** Frugal cross-modal representation for media research
- **C7-R** Broadening the spectrum of Interpretable AI
- **C8-R** Standardising AI datasets and model creation
- **C9-R** Novel AI-powered enablers for social media research
- **C10-R** Social media alert system to avoid the attention gathering loop
- **C11-R** Representative and Inclusive Depictions of AI
- **C12-R-OPEN** Open Research Challenge

Application challenges

- **C1-A** Realising a hybrid AI application in AI4EU Experiments
- **C2-A** AI global support to informative content production
- **C3-A** New learning methods for music overcoming scarce data
- **C4-A** AI for suggesting visually appealing images based on text
- **C5-A** Recommender Systems to Support Exploratory Research with Media
- **C6-A** AI for automated testing and sound synthesis
- **C7-A-OPEN** Open Application Challenge

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Thank you!

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Our Consortium



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